

# USBox UT Data Collection System



## Description

KANDE International is pleased to offer the USBox data collection system for sale in association with Lecoeur.

The USBox system is an inexpensive ultrasonic digital data collection system with many of the capabilities expected in top-end data collection systems. USBox is ideally suited for training, parametric studies, laboratory use or plant monitoring applications.

The system is used in conjunction with a PC and is housed in a small module which plugs into a PC's USB port. System software is loaded onto the PC, which is used to control the data collection process and to review collected data.

Using KANDE International's software, which is supplied with the system, the user can view A-scan data live in a simulated flaw detector view, or a B-scan view. B-scans can be displayed in a variety of formats including grey-scale plots and orthographic projections (or "waterfall" plots).

Data may also be recorded for later analysis. Previously saved A and B-scan data can be reloaded and displayed just as it was when originally collected.

On-going development includes temperature and thickness monitoring options.

When supplied by KANDE International, system features include:

- ⤴ Single channel pulse echo or TOFD.
- ⤴ Encoder inputs which can be used as part of the data collection process.
- ⤴ A range of position, time-based, or triggered probe firing rates, making the system suitable for conventional scanning and for long term monitoring operations.
- ⤴ Up to four USBoxes can be operated from one PC.

The system may optionally be supplied with a simple manual scanner and/or suitable UT probes.

## Contacts

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